

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Inventor(s): SUGIYAMA et al.  
 Appln. No.: 09 098,730  
 Series Code ↑ Serial No. ↑  
 Filed: June 18, 1998  
 Title: MULTILAYERED AIR-FUEL RATIO SENSOR

Group A Unit 1743  
 Examiner: Tung, T.  
 Atty. Dkt. PMS 254782 U39817-US  
 M# Client Ref  
 (Our Deposit Account No. 03-3975)  
 (Our Order No. 60388 254782  
 C# M#  
 Date: August 16, 2000

Asst. Commissioner of Patents  
 Washington, D.C. 20231

Sir:

REPLY/AMENDMENT/LETTER

This is a reply/amendment/letter in the above-identified application and includes the herewith attachment of same date and subject which is incorporated hereinto by reference and the signature below is treated as the signature to the attachment in absence of a signature thereto.

FEE REQUIREMENTS FOR CLAIMS AS AMENDED

1. "Small Entity" statement(s) filed <input type="checkbox"/>									
<input type="checkbox"/> previously <input type="checkbox"/> herewith		(No.)							
		Claims remaining after amendment	Highest number previously paid for	Present Extra	Large/Small Entity	Additional Fee	Fee Code		
2. Total Effective Claims		6	**minus 20	0	x \$18/\$9 =	+ \$0	103/203		
3. Independent Claims		1	***minus 3	0	x \$78/\$39 =	+ \$0	102/202		
4. If amendment enters proper multiple dependent claim(s) into this application for first time (leave blank if this is a reissue application) ..... add					+ \$260/\$130 =	+ \$0	104/204		
5. Original due Date: July 17, 2000		<input type="checkbox"/> NONE							
6. Petition is hereby made to extend the original due date to cover the date this response is filed for which the requisite fee is attached		(1 mo)	\$110/\$55 =				115/215		
		(2 mos)	\$380/\$190 =	+ \$110			116/216		
		(3 mos)	\$870/\$435 =				117/217		
		(Usable only for ≤ 2mo.OA --- 4 mos)	\$1360/\$680 =				118/218		
		(Usable only for 30 day/1mo.OA --- 5 mos)	\$1850/\$925 =				128/228		
7. Enter any previous extension fee paid since above original due date and subtract					- \$0				
8. Extension Fee Attached					+ \$110				
9. If Terminal Disclaimer attached, add Rule 20(d) official fee					+ \$110/\$55 =	+ \$0	148/248		
10. If IDS attached requires Official Fee, ..... add					+ \$240 =	+ \$240	126		
or if Rule 97(d) Petition ..... add					+ \$130 =		122		
11. After-Final Request Fee per rules 129(a) and 17(r)					+ \$690/345 =	+ \$0	146/246		
12. No. of additional inventions for examination per Rule 129(b)					x \$690/345 ea =	+ \$0	149/249		
13. Petition fee for					+ \$0				
14. TOTAL FEE ENCLOSED =					\$350				

15. \*If the entry in this space is less than entry in next space, the "Present Extra" result is "0".  
 16. \*\*If the "Highest number previously paid for" in this space is less than 20, write "20" in this space.  
 17. \*\*\*If the "Highest number previously paid for" in this space is less than 3, write "3" in this space.

CHARGE STATEMENT: The Commissioner is hereby authorized to charge any fee specifically authorized hereafter, or any missing or insufficient fee(s) filed, or asserted to be filed, or which should have been filed herewith or concerning any paper filed hereafter, and which may be required under Rules 16-18 (missing or insufficiencies only) now or hereafter relative to this application and the resulting Official Document under Rule 20, or credit any overpayment, to our Accounting/Order Nos. shown in the heading hereof, for which purpose a duplicate copy of this sheet is attached.

This CHARGE STATEMENT does not authorize charge of the issue fee until/unless an issue fee transmittal sheet is filed.

Query: Is appeal deadline now? If so, file Notice of Appeals separately.

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 Atty/Sec: GJP/KKV:ksh

Pillsbury Madison & Sutro LLP  
 Intellectual Property Group

By Atty: Glenn J. Perry

Sig:

*Glenn J. Perry*

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46, 323)

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NOTE: File this cover sheet in duplicate with PTO receipt (PAT-103A) and attachments

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

*A. Hayward*  
*#11/C*  
*8/22/00*

In re PATENT APPLICATION of:

**SUGIYAMA et al.**

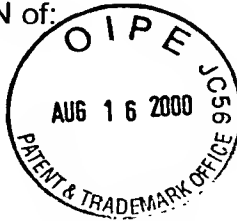
Appln. No.: 09/098,730

Filed: June 18, 1998

FOR: **MULTILAYERED AIR-FUEL RATIO  
SENSOR**

Group Art Unit: 1743

Examiner: TUNG, T.



**AMENDMENT**

Hon. Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

Date: August 16, 2000

RECEIVED  
AUG 22 2000  
TC 1700 MAIL ROOM

Sir:

In response to the Office Action mailed April 17, 2000, please amend this application as follows:

**IN THE CLAIMS:**

1. (Thrice Amended) A multilayered air-fuel ratio sensor having a plurality of stacked layers comprising:

a plurality of multilayered substrate layers comprising at least [two] one solid electrolytic substrate [layers] layer and at least one insulating substrate layer; and

[a plurality of boundary layers located at respective boundaries of said multilayered substrate layers] a boundary layer interposed between said solid electrolytic substrate layer and said insulating substrate layer,

wherein [said plurality of the boundary layers comprises at least one first boundary layer directly interposed between two adjacent solid electrolytic substrate layers as well as at least one second boundary layer directly interposed between one

*Sub  
E17  
C1*